

**Application**

- ✓ Wire harness of low-tension electric circuits for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- ✓ Especially used for circuits requiring heat resistance.

**Product Construction**

- ✓ Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN EN 13602, bare conductor construction according to ISO 6722-1, Structure B
- ✓ Insulation : EBXL- CPE- FR (Thick wall)
- ✓ Colour : As per customer order.
- ✓ Single core

**Technical Data**

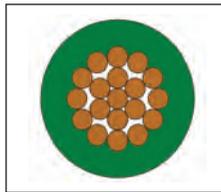
- ✓ Temperature Range : - 40°C to +125°C (3000 Hours)
- ✓ Standards : ISO 6722-1
- ✓ CPE : Chlorinated polyethylene

**Features**

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Extra flexible conductor with Electron beam cross linked polyethylene super thin wall insulation for smaller diameter and lesser weight.
- ✓ Excellent flexibility.
- ✓ Heat resistant.

Automotive Cables CPE-FR

**2D View**



Approvals	Accreditations	Certifications

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Max. Conductor Resistance at 20°C	Current Carrying Capacity	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.			
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
82606XX*	0.5	16	0.21	1.1	0.6	2.3	10	37.1	17	500
82608XX	0.75	24	0.21	1.3	0.6	2.5	13	24.7	22	500
82610XX	1	32	0.21	1.5	0.6	2.7	16	18.5	26	500
82613XX	1.5	30	0.26	1.8	0.6	3.0	21	12.7	32	500
82614XX	2	28	0.31	2.0	0.6	3.3	27	9.42	39	500
82616XX	2.5	50	0.26	2.2	0.7	3.6	33	7.6	45	500
82617XX	3	44	0.31	2.4	0.7	4.1	40	6.15	51	500
82619XX	4	56	0.31	2.8	0.8	4.4	50	4.71	61	500
82623XX	6	84	0.31	3.4	0.8	5.0	70	3.14	78	500
82627XX	10	80	0.41	4.5	1.0	6.5	120	1.82	110	500
82628XX	16	126	0.41	5.8	1.0	8.3	177	1.16	147	500
82630XX	25	196	0.41	7.2	1.3	10.4	275	0.743	193	500
82632XX	35	276	0.41	8.5	1.3	11.6	373	0.527	237	500
82634XX	50	396	0.41	10.5	1.5	13.5	536	0.368	300	500
82637XX	70	360	0.51	12.5	1.5	15.5	737	0.259	384	500
82638XX	95	475	0.51	14.8	1.6	18.0	959	0.196	475	500
82641XX	120	608	0.51	16.5	1.6	19.7	1206	0.153	562	500

Note : XX\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

- ✓ \* Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 125°C and ambient air temperature of 40°C.
- \*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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